

Fan Coil Performance Data

The Whalen Company

Model WFC-800

Cooling Capacity

| Entering Water°F | Entering air Water Rise°F | 75.0 db°F / 63.0 wb°F | | | | 78.0 db°F 65.0 wb°F | | | | 80.0 db°F 67.0 wb°F | | | |
|------------------|---|----------------------------|---|----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|
| | | 10 | 12 | 14 | 16 | 10 | 12 | 14 | 16 | 10 | 12 | 14 | 16 |
| | | 42 | Cool kBTU Sens. kBTU GPM dp FT | 22.2 16.7 4.4 9.5 | 20.1 15.7 3.3 5.4 | 17.9 14.9 2.6 3.2 | 15.9 14.1 2.0 1.9 | 25.1 18.2 5.0 12.1 | 22.9 17.3 3.8 7.0 | 20.8 16.4 3.0 4.2 | 18.8 15.6 2.3 2.6 | 28.7 19.2 5.7 15.8 | 26.5 18.3 4.4 9.3 |
| 43 | Cool kBTU Sens. kBTU GPM dp FT | 20.5 15.9 4.1 8.0 | 18.3 15.0 3.1 4.5 | 16.3 14.2 2.3 2.6 | 14.3 13.4 1.8 1.5 | 23.4 17.4 4.7 10.5 | 21.2 16.6 3.5 6.0 | 19.1 15.7 2.7 3.6 | 17.1 14.9 2.1 2.2 | 26.9 18.4 5.4 13.8 | 24.7 17.6 4.1 8.1 | 22.5 16.7 3.2 5.0 | 20.4 15.9 2.6 3.1 |
| 44 | Cool kBTU Sens. kBTU GPM dp FT | 18.8 15.2 3.8 6.8 | 16.7 14.4 2.8 3.7 | 14.6 13.6 2.1 2.1 | 12.8 12.8 1.6 1.2 | 21.6 16.7 4.3 9.0 | 19.5 15.9 3.3 5.1 | 17.5 15.1 2.5 3.0 | 15.5 14.3 1.9 1.8 | 25.1 17.7 5.0 12.0 | 22.9 16.9 3.8 7.0 | 20.8 16.0 3.0 4.2 | 18.7 15.3 2.3 2.6 |
| 45 | Cool kBTU Sens. kBTU GPM dp FT | 17.1 14.5 3.4 5.6 | 15.0 13.7 2.5 3.0 | 13.1 13.0 1.9 1.7 | 11.3 11.3 1.4 1.0 | 19.9 16.1 4.0 7.6 | 17.9 15.2 3.0 4.3 | 15.9 14.5 2.3 2.5 | 14.0 13.8 1.7 1.5 | 23.3 17.0 4.7 10.4 | 21.2 16.2 3.5 6.0 | 19.1 15.4 2.7 3.6 | 17.1 14.7 2.1 2.2 |
| 46 | Cool kBTU Sens. kBTU GPM dp FT | 15.5 13.9 3.1 4.6 | 13.5 13.1 2.2 2.4 | 11.6 11.6 1.7 1.3 | 9.9 9.9 1.2 0.7 | 18.3 15.4 3.7 6.4 | 16.3 14.6 2.7 3.5 | 14.3 13.9 2.0 2.0 | 12.5 12.5 1.6 1.2 | 21.6 16.4 4.3 8.9 | 19.5 15.6 3.2 5.1 | 17.5 14.8 2.5 3.0 | 15.5 14.1 1.9 1.8 |
| 47 | Cool kBTU Sens. kBTU GPM dp FT | 13.9 13.3 2.8 3.7 | 12.0 12.0 2.0 1.9 | 10.2 10.2 1.5 1.0 | 8.6 8.6 1.1 0.6 | 16.7 14.8 3.3 5.4 | 14.7 14.0 2.5 2.9 | 12.8 12.8 1.8 1.6 | 11.1 11.1 1.4 0.9 | 19.9 15.7 4.0 7.6 | 17.9 15.0 3.0 4.3 | 15.9 14.2 2.3 2.5 | 14.0 13.6 1.8 1.5 |
| 48 | Cool kBTU Sens. kBTU GPM dp FT | 12.4 12.4 2.5 2.9 | 10.5 10.5 1.8 1.5 | 8.8 8.8 1.3 0.8 | 7.4 7.4 0.9 0.4 | 15.2 14.2 3.0 4.4 | 13.2 13.2 2.2 2.3 | 11.4 11.4 1.6 1.3 | 9.8 9.8 1.2 0.7 | 18.3 15.1 3.7 6.4 | 16.3 14.4 2.7 3.5 | 14.4 13.7 2.1 2.0 | 12.6 12.6 1.6 1.2 |

Heating Capacity - 2Pipe configuration

| Entering Water°F | Entering air Water Rise°F | 65.0 db°F | | | | 70.0 db°F | | | | 75.0 db°F | | | |
|------------------|------------------------------|---------------------|---------------------------|--------------------|--------------------|---------------------|---------------------|--------------------|--------------------|---------------------|--------------------|--------------------|--------------------|
| | | 15 | 20 | 25 | 30 | 15 | 20 | 25 | 30 | 15 | 20 | 25 | 30 |
| | | 120 | Heat kBTU GPM dp FT | 31.1 4.1 8.2 | 28.2 2.8 3.8 | 25.4 2.0 2.0 | 22.8 1.5 1.1 | 27.4 3.7 6.4 | 24.6 2.5 2.9 | 21.9 1.8 1.5 | 19.4 1.3 0.8 | 23.8 3.2 4.8 | 21.0 2.1 2.1 |
| 130 | Heat kBTU GPM dp FT | 38.3 5.1 12.5 | 35.4 3.5 6.0 | 32.5 2.6 3.2 | 29.8 2.0 1.9 | 34.7 4.6 10.3 | 31.8 3.2 4.8 | 28.9 2.3 2.6 | 26.3 1.8 1.5 | 31.1 4.1 8.2 | 28.2 2.8 3.8 | 25.4 2.0 2.0 | 22.8 1.5 1.1 |
| 140 | Heat kBTU GPM dp FT | 45.6 6.1 17.8 | 42.6 4.3 8.7 | 39.7 3.2 4.8 | 36.9 2.5 2.9 | 42.0 5.6 15.0 | 39.0 3.9 7.3 | 36.1 2.9 4.0 | 33.3 2.2 2.4 | 38.3 5.1 12.5 | 35.4 3.5 6.0 | 32.5 2.6 3.2 | 29.8 2.0 1.9 |
| 150 | Heat kBTU GPM dp FT | 52.9 7.1 23.9 | 49.9 5.0 12.0 | 46.9 3.8 6.8 | 44.1 2.9 4.1 | 49.3 6.6 20.7 | 46.3 4.6 10.3 | 43.3 3.5 5.8 | 40.5 2.7 3.5 | 45.6 6.1 17.8 | 42.6 4.3 8.7 | 39.7 3.2 4.8 | 36.9 2.5 2.9 |

Heating Capacity - 4Pipe configuration (Standard coils- other coils available)

| Entering Water°F | Entering air Water Rise°F | 65.0 db°F | | | | 70.0 db°F | | | | 75.0 db°F | | | |
|------------------|------------------------------|---------------------|---------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|---------------------|--------------------|
| | | 30 | 40 | 50 | 60 | 30 | 40 | 50 | 60 | 30 | 40 | 50 | 60 |
| | | 160 | Heat kBTU GPM dp FT | 25.9 1.7 22.6 | 23.6 1.2 10.6 | 21.3 0.9 5.5 | 19.1 0.6 3.1 | 24.2 1.6 19.7 | 21.9 1.1 9.1 | 19.6 0.8 4.7 | 17.4 0.6 2.5 | 22.4 1.5 17.0 | 20.1 1.0 7.7 |
| 180 | Heat kBTU GPM dp FT | 32.8 2.2 36.4 | 30.5 1.5 17.7 | 28.2 1.1 9.7 | 25.9 0.9 5.7 | 31.1 2.1 32.6 | 28.8 1.4 15.7 | 26.5 1.1 8.5 | 24.2 0.8 5.0 | 29.3 2.0 29.1 | 27.0 1.4 13.9 | 24.8 1.0 7.5 | 22.5 0.7 4.3 |